

VASII 'YEV, P. D.

"Investigation of the strength of Tracks in a High-Speed Caterpillar Tractor."
Thesis for degree of Cand. Technical Sci., Sub 28 Oct 49, Moscow Automotive Mechanics
Inst.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering
in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949.

VASIL'YEV, P.D., kandidat tekhnicheskikh nauk.

Studying the strength of track links in caterpillar machinery.
Nauch.trudy MAMI no.6:61-68 '56. (MLRA 10:2)
(Caterpillars (Vehicles))

VASIL'YEV, Pavel Grigor'yevich, dotsent, kand.ekonom.nauk; DROBOZINA, Lyudmila Aleksandrovna, kand.ekonom.nauk; PAVLOVA, Lidiya Petrovna, kand.ekonom.nauk; PADEYSKIY, Nikolay Aleksandrovich, dotsent, kand.ekonom.nauk; POPOV, Andrey Nikolayevich, kand.ekonom.nauk; SKACHKO, Aleksandr Borisovich, dotsent, kand.ekonom.nauk; MOSKVITINA, L.P., red.

[Finance of capitalistic states; textbook] Finansy kapitalisticheskikh gosudarstv; uchebnoe posobie. Moskva, M-vo vysshego i srednego spetsial'nogo obrazovaniia SSSR. Vses.zaochnyi finansovoekon.in-t, 1959. 434 p. (MIRA 13:7)
(Finance)

ROSSINSKIY, Z.A.; VASIL'YEV, P.G. _____

Modernization of papermaking machines. Bun.prom. 34 no.10:
16-19 0 '59. (MIRA 13:2)

1. Solikamskiy tsellyulozno-bumazhnyy kombinat.
(Papermaking machinery)

VASIL'YEV, P. G.

3-6-26/29

AUTHOR: Vasil'yev, P. G., Dotsent, and Shirkevich, N. A., Senior Scientific Collaborator

TITLE: About a Manual on USSR Finances (Ob uchebnom posobii po finansam SSSR)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 6, pp 87-92 (USSR)

ABSTRACT: A review of a book written by Professor A. M. Aleksandrov - "The Finances of the USSR" - of which the second revised edition has now been published. The USSR Ministry of Higher Education has approved the use of the book as a manual for the higher financial-economic educational institutions and faculties. The author first deals in general terms with financial problems in a socialistic country. He then emphasizes the necessity of a textbook on these finances and their theoretic principles. Attempts to prepare such a textbook have been repeatedly made by M. I. Bogolepov, V. P. D'yachenko, A. K. Suchkov and others, but of all the literature published during the last ten years on USSR finances, A. M. Aleksandrov's book is best suited. In the author's opinion it would have been expedient to start the study with

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About a Manual on USSR Finances

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an analysis of the historical development of finances. This could have helped to formulate the basic features of the present USSR finances.

Professor Aleksandrov has begun by defining finances, their substance, functions and role. The author objects that the book, when determining the conception of finances, gives several varying definitions. The inaccuracy and sometimes the lack of definitions somewhat lower the scientific level of the manual. The author further opposes Aleksandrov's point of view that in a course on Soviet finances questions on prices should not be included. He also considers that the separation of the question of financial-credit system and the organization of its management into two parts is not justified. The financial credit system is dealt with in chapter II whilst the organization of its management is discussed in chapter XXV. These questions being mutually connected should be examined jointly at the end of the course. It is further considered that the theme on the functions of finances has not been worked out sufficiently. This also applies to the question of the controlling functions of Soviet finances (para. 4 chapter I). The

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About a Manual on USSR Finances

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author, however, points out that the deficiencies mentioned are connected with the lack of a profound scientific elaboration of these questions in the Soviet economic- and financial literature. The author further deals with the duplication of some subjects in the teaching process of education institutions, and refers in this case to the question of the financing of capital investments which appears in three courses. The author states that practice has shown that questions connected with the study of the kolkhoz and cooperative finances require a very thorough study. In particular, the estimate of income and expenses and its connection with the kolkhoz production plan, the machine tractor stations and the plan of the financial organs require careful examination. The section dealing with the agricultural tax is too concise. The book does not contain a section treating international financial relations, and a general deficiency of the book is the lack of material, schemes, diagrams, graphs, etc., which could illustrate the theoretical principles. On pages 79 and 110 of the second edition a mistake was made by asserting that the socialist society is a non-class one.

Card 3/4

About a Manual on USSR Finances

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In other parts of the book the formulations of this question are correct. There are 3 Russian references.

• ASSOCIATION: All-Union Correspondence Course Financial Institute (Vsesoyuznyy zaochnyy finansovyy institut), Scientific Research Financial Institute (Nauchno-issledovatel'skiy finansovyy institut)

• AVAILABLE: Library of Congress

• 4/4

IKONNIKOV, V.V., prof.; VASIL'YEV, P.G., ,and, ekon.nauk; LAVROV, V.V., prof.; RYUMIN, S.M.; KOLYCHEV, L.I., kand. ekon. nauk; SAMOYLOV, V.K.; LYSKOVICH, A.A.; KOLOMIN, Ye.V., kand. ekon. nauk; MITEL'MAN, Ye.L., kand. ekon. nauk; BEL'KINA, R.K., kand. ekon. nauk; SHTEYNHLEYGER, S.B., kand. ekon. nauk; ROTLEYDER, A.Ya., kand. ekon. nauk; POGODIN, Yu., red.; TELEGINA, T., tekhn. red.

[Finance and credit in the U.S.S.R.] Finansy i kredit SSSR.
Moskva, Izd-vo "Finansy," 1964. 447 p. (MIRA 17:3)

VASIL'EV, F. G.

Labor problems and organization of capital in agricultural communes: experience of
Siberian agricultural communes. Novosibirsk, Knigosoiuz, 1928. 66 p.

Cyr.4 HD389

VASIL'YEV, P.I., dots., kand. nauk.

Economic accountability on collective farms. Dokl. TGUHA no.27:
59-67 '57. (MIRA 11:4)

(Collective farms--Accounting)

VASIL'YEV, P.I., inzhener.

Relationship between stresses and deformations in concrete under
compression allowing for the effect of time. Izv.VNIIG no.45:78-92
'51. (MLRA 10:3)

(Concrete--Testing)

VASIL'YEV, P.I.; KOVALENKO, I.N.

Remark on stationary streams of uniform events.
Ukr.mat.zhur. 16 no. 3:374-375 '64. (MIRA 17:7)

L 27307-65 -WT(m)/EPA(w)-2/ENAC- -2 Fab-10/Pt-10 IJP(c)
ACCESSION NR: AP5002140 S/0120/64/000/006/0028/0029

AUTHOR: Antonov, A. V.; Vasil'yev, P. I.; Venikov, N. I.; Kalinin, S. P.;
Sokolov, N. I.; Khaldin, N. N.; Khoroshavin, B. I.; Chumakov, N. I.

TITLE: Changing the IAE cyclotron into a controllable-ion-energy mode of operation

SOURCE: Priboiy i tekhnika eksperimenta, no. 6, 1964, 28-29

TOPIC TAGS: cyclotron, IAE cyclotron

ABSTRACT: The adoption of rapid energy control in the 1.5-meter IAE cyclotron, with preservation of a good ($\pm 0.3-0.4\%$) monoenergetic characteristic and short duration (2-4 nsec) of accelerated-ion clusters, was predicated upon the following changes introduced into the cyclotron: (1) Correction of magnetic field by the currents in additional windings within 5-14 koe; (2) Provision of a dee-type slit ion optical device suitable for the entire range of accelerated ions; (3) Replacing

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the VCh-200 h-f oscillator by a GU-300 which can be tuned without additional neutralization within 8—13 Mc; (4) Introduction of a remote control of dees position; (5) Correction of optical properties of the system guiding the output beam. As a result of the above measures, the type and energy of particles can be changed in less than an hour's time; particulars are tabulated. Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Institut atomnoy energii (Institute of Atomic Energy)

SUBMITTED: 20Nov63

ENCL: 00

SUB CODE: NP

NO REF SOV: 005

OTHER: 000

Card 2/2

1. BELOV, A. V.; VASIL'YEV, P. I.
 2. USSR (600)
 4. Concrete - Testing
 7. Practical method of determining temperature tension in a concrete slab during harmonic fluctuations of air temperature. Bidr. Stroi. 21 no. 9, 1952
9. Monthly List of Russian Accessions, Library of Congress, _____ 1953. Unclassified.

VASIL'YEV, P.I., kand. tekhn. nauk

Plastic deformations of concrete. Izv. VNIIG 49:83-113 '53.
(MIRA 12:5)

(Concrete)

VASIL'YEV, P.I., dots., kand.tekhn.nauk

Considering plastic deformations in the design of reinforced
concrete constructions in the first stage. Izv.VNIIG 51:54-63
'54. (MIRA 12:5)

(Reinforced concrete)

124-57-2-2231

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 2, p 110 (USSR)

AUTHOR: Vasil'yev, P. I.

TITLE: On the Utilization of the "Heredity Theories" to Describe the Laws Governing the Deformation of Concrete (Ob ispol'zovanii nasledstvennykh teoriy dlya opisaniya zakonov deformirovaniya betona)

PERIODICAL: Izv. Vses. n. -i. in-ta gidrotekhn., 1955, Vol 53, pp 292-295

ABSTRACT: The author shows that the nonlinear theory of creep of Yu. N. Rabotnov (Vestn. Mosk. un-ta, 1948, Nr 10), proposed for metals, does not correlate well with experimental data when applied to concrete. He therefore proposes that, in applications relating to concrete, it is advisable to apply the "heredity theory" proposed by N. Kh. Arutyunyan for the aging of concrete [Nekotoryye voprosy teorii polzuchesti (Some Aspects of the Theory of Creep). Gostekhizdat, 1952]. The author shows further that Arutyunyan's formula, for the case of a variable modulus of instant deformation

Card 1/2

(formula on Card 2)

124-57-2-2231

On the Utilization of the "Heredity Theories" (cont.)

$$\varepsilon(t) = \frac{\sigma(t)}{E(t)} - \int_0^t \sigma(\tau) \frac{\partial}{\partial \tau} \left[\frac{1}{E(\tau)} \right] d\tau - \int_0^t f[\sigma(\tau)] \frac{\partial C(t, \tau)}{\partial \tau} d\tau$$

must be refined in the sense that in place of $f[\sigma(t)]$ a term $f[\sigma(t)/R(t)]$ be employed, where $R(t)$ is the temporary reaction.

M. M. Manukyan

1. Concrete--Deformation
2. Mathematics

Card 2/2

VASIL'YEV, P.I. dotsent, kandidat tekhnicheskikh nauk; ZUBRITSKAYA, M.A.,
inzhener.

Thermal stress from exothermic processes in the cement of slab-type
blocks. Izv. VNIIG 56;60-70 '56. (MIRA 10:8)
(Concrete blocks)

VII 5/11 '97 V, P.I

BASNEVICH, Akim Zakharovich; VASIL'YEV, P.I., kand. tekhn. nauk, nauchnyy red.;
KAPLAN, M.Ya., red. izd-va; PUL'KINA, Ye.A., tekhn. red.

[Massive hydraulic structures with artificially induced contraction
of concrete] Massivnye gidrotekhnicheskie sooruzhenia s iskusstven-
nym obzhatiem betona. Leningrad, Gos. izd-vo lit-ry po stroit. i
arkhit., 1957. 198 p. (MIRA 11:7)

(Hydraulic engineering) (Concrete)

15(0)

SOV/112-58-3-3798

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1958, Nr 3, p 41 (USSR)

AUTHOR: Vasil'yev, P. I.

TITLE: Influence of Concrete Aging Upon the Creep-Curve Shape
(Vliyaniye stareniya betona na vid krivyykh polzuchesti)

PERIODICAL: Izv. Vses. n.-i. in-ta gidrotekhn., 1957, Vol 57, pp 129-134

ABSTRACT: The author suggests characterizing the aging of concrete by the ratio of its creeps determined at different concrete ages, under equal stress-duration conditions. The creep of a specimen stressed at some definite age can be taken as a unit creep. The author suggests that the creep-age relation found experimentally be introduced into the creep-deformation equations. Such equations are derived for the cases of linear and nonlinear dependence of the deformation rate on the stress. The first of these equations has been used to plot a creep curve of a concrete specimen loaded after two days; the curve agrees fairly well with an experimental curve obtained at VNIIG. However,

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Influence of Concrete Aging Upon the Creep-Curve Shape

the relationships found need a more precise experimental verification, and the analytical method for solution creeping problems suggested above is mathematically complicated. For these reasons, it is expedient to use Arutyunyan's method for solving practical problems. Bibliography: 4 items.

M.G.S.

Card 2/2

BOROVY, A.A., red.; VASIL'YEV, P.I., red.; GIRSHKAN, I.A., red.; IORISH,
Ye.L., red.; KRUKOVSKIY, M.Ya., red.; SAMOSTRELOV, P.V., red.;
ZABRODINA, A.A., tekhn. red.

[Designing and building large dams; from papers of the Fifth
International Congress on Large Dams] Proektirovanie i stro-
itel'stvo bol'shikh plotin; po materialam V Mezhdunarodnogo
kongressa po bol'shim plotinam. Moskva, Gos. energ. izd-vo,
1958. 414 p. (MIRA 11:10)

(Dams)

14(6)

SOV/112-59-5-8756

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 48 (USSR)

AUTHOR: Vasil'yev, P. I.

TITLE: Temperature Stresses in Concrete Gravity Dams and the Problem of Structural Joints

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1958, Nr 1-2, pp 35-44

ABSTRACT: For the lower blocks of high dams built on a rock foundation, thermal stresses consist of the following components: concrete exothermics, the difference between the concrete cooling temperature and the ambient temperature, the difference between the concrete-mix temperature and the ambient. The following data is presented in the article: general formulae for designing crackproof concrete dams, measures necessary to observe in placing concrete mix, recommendations on the block size depending on the local climatic conditions, considerations of stress distribution in the blocks remote

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SOV/112-59-5-8756

Temperature Stresses in Concrete Gravity Dams and the Problem of

from the foundation. The principal measure for severe climates is to cut the structure by temporary joints.

M.K.B.

Card 2/2

VASIL'YEV, P.I., dots., kand.tekhn.nauk

Effect of the distance between heat cracks on the intensity of
temperature stresses in massive concrete dams. Nauch.dokl.vys.
shkoly; stroi. no.2:275-279 ' 58. (MIRA 12:1)
(Dams)

VASIL'YEV, F.I.; KUSKOVA, N.K.; PAKHOMOVA, K.S.

[Methods for the chemical analysis of minerals] Metody
khimicheskogo analiza mineral'nogo syr'ia. Moskva,
Nedra, No.9. 1965. 66 p. (NIHA 18:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
mineral'nogo syr'ya.

ANTONOV, A.V.; VASIL'YEV, P.I.; VENIKOV, N.I.; KALININ, S.I.; SUDILIN, N.I.;
KHALDIN, N.N.; KHOROSHAVIN, B.I.; CHURAKOV, N.I.

Adapting an IAE cyclotron to operation involving regulated ion
energy. Prib. i tekhn. eksp. 9 no.6:28-29 N-D '64. (MIRA 18:3)

1. Institut atomnoy energii AN SSSR.

CHIRKOV, Yakov Nikitich; VASIL'YEV, P.I., red.

[Ribbed reinforced-concrete floors and roofs] Zhelezobeton-
noe rebristoe perekrytie; uchebnoe posobie po kursovomu
proektirovaniu. Leningrad, Leningr. politekhn.in-t, 1962.
167 p. (MIRA 16:11)

(Reinforced concrete construction)

VASIL'YEV, P.I.

Multiple riffle for ores and concentration products. Obog. rud 7 no.2:
42-43 '62. (MIRA 16'4)
(Ore dressing--Equipment and supplies)

FILIMONOV, N.A., prof.; VASIL'YEV, P.I., kand.tekhn.nauk; KONONOV, Yu.I.,
inzh.

Basic recommendations in the control of crack formation in large
concrete structures. Gidr. stroi. 32 no.10:61-64 0 '61.
(MIRA 14:10)

(Concrete construction)

311725

S/137/62/000/052/14/1...

A052/A101

21.4200

AUTHORS

Vasil'yev, P. I., Podval'naya, R. L., Lavrova, A. A.

TITLE

On the problem of determination of beryllium in phosphate form in the presence of titanium and other elements

REFERENTIAL

Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 8, abstract 2K38 (V sb. "Khim., fiz.-khim. i spektr. metody issled. rud redk. i rasseyan. elementov". Moscow, Gosgeoltekhizdat, 1961, 19-24)

TEXT:

The separation of 30.7 mg BeO with an error of ~1% (relatively in the presence of (in mg) Al_2O_3 (?), Fe_2O_3 60, Cr_2O_3 10 is performed with ammonia, adding at the first precipitation 5 ml of 20% $(NH_4)_3PO_4$ solution and 10 ml of 15% solution of trilon B. The precipitate washed with 2% NH_4NO_3 solution is dissolved in HCl, and at the second precipitation 2 ml of phosphate solution and 5 ml of trilon B solution are added. At this stage Ti interferes with the determination of Be. To eliminate the effect of Ti, the solution, after a preliminary neutralization of the excessive acid, is cooled, 5 ml of 20% $(NH_4)_3PO_4$ solution, 15 ml of 15% trilon B solution and 1 ml of perhydrol are added and the whole is neutralized by methyl red. The separated amorphous

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S/137/62/001/002/001/001
A052/A101

On the problem of determination ...

residue of B- phosphate is filtered off after 1 hour and, after dissolving, is precipitated again by heating, adding 2 ml of phosphate solution, 7 ml of 0.1% B solution and 0.5 ml of perhydrol. There are 5 references.

B. Melent'yev

[Abstracter's note. Complete translation]

Card 2 of 2

VASIL'YEV, P.I., dotsent, kand.tekh.nauk

Determination of intervals between expansion joints in concrete dams.
(MIRA 14:5)

Izv.VNIIG 64:33-54 '60.

(Concrete construction) (Dams)

NEPOROZHNIY, P.S.; BELYAKOV, A.A.; VOZNESENSKIY, A.N.; GLEBOV, P.D.;
KACHANOVSKIY, B.D.; BASEVICH, A.Z.; TARTAKOVSKIY, D.M.;
VASIL'YEV, P.I.; ZARUBAYEV, N.V.; CHUGAYEV, R.R.; KOZHEVNIKOV,
M.P.; KNOROZ, V.S.; IVANOV, P.L.; SHCHAVELEV, D.S.; OKORCOV,
S.D.; BELOV, A.V.; STAROSTIN, S.M.; YAGH, Yu.I.; IZBASH, S.V.

Ivan Ivanovich Levi; on his 60th birthday. Gidr. stroi. 30
no.9:61-62 S '60. (MIRA 13:9)
(Levi, Ivan Ivanovich, 1900-)

Purification of drinking water with sodium aluminates. P. I. YASULYEV, (J. Appl. Chem., Russia, 1930, 3, 307-310).—When a mixture of sodium aluminate and aluminum sulphate is used instead of single aluminum sulphate alone, the time required for flocculation and precipitation of the impurities is shortened, the amount of active carbon dioxide in the water is reduced, and the purification of aluminum is more complete.

CHEMICAL ABSTRACTS

The role of iron in asbestos. P. V. Syromyatnikov and P. I. Vasil'ev. *Trans. All-Union Sci. Research Inst. Econ. Mineral.* (U. S. S. R.) No. 69, 3 21 (in English 22) (1968).--The distribution of Fe in the chrysotile found in ultrabasic igneous rocks was studied in relation to its use as an elec. insulator. Impurities in refined asbestos are finely divided serpentine and magnetite. In Canadian asbestos the ratio of FeO to Fe₂O₃ is approx. the same as for magnetite. The sum of FeO and Fe₂O₃ in magnetically cleaned Bazhenovo asbestos is 1.3-1.7%; analyses of magnetic material sepd. from it show an excess of Fe₂O₃ over the proportion in magnetite, so it is probably a mixt. of magnetite and maghemite. For these reasons standards for elec. insulation asbestos based on Fe content of Canadian asbestos are not applicable to Bazhenovo asbestos. Specimens of fibers varying along their length in shades of brown show no variation in Fe content. The color is probably the result of an org. pigment. Expts. in

removing magnetite from asbestos by means of succinylacetic acid were unsuccessful. As with strong acids, more Mg than Fe is dissolved and the fibers are destroyed. Analyses show for specimens of little chrysotile with the same percentages of Fe₂O₃ and MgO that MgO increases with decrease in FeO, indicating that Mg is isomorphously replaced by bivalent Fe. The elec. cond. of clean Bazhenovo asbestos is less than that of a low-Fe variety from the Asparagus deposit, where the chrysotile occurs in dolomitic limestones in seams, similar to those of the Arizona deposits. Elec. cond. is a function of the amt. of adsorbed water present. After it is driven off at 400° clean Bazhenovo and Asparagus asbestos have the same cond. The most satisfactory method of prep. of magnetite is by a process involving reduction to fine fibers, sieving and blowing. R. H. Beckwith

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

OK

8

Reproduction of analysis of silicate minerals and rocks.
L.A. Facility. Mineral. Smir's II, No. 4, 55 (1961).
1. a). organization and known procedures of analysis are
discussed, with 20 references. Chas. Hlaw

ASD-SEA METEOROLOGICAL LITERATURE CLASSIFICATION

VASIL'YEV, P.I.

Metody uskorennoy analiza silikatov
(Methods of rapid analysis of silicates). Moskva,
Gos. izd. geolog. lit-ry, 1951. 52 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

VASIL'YEV, P.I.; LEBOVA, R.G.; PODVAL'NAYA, P.L.; ROZOVSKAYA, G.V.;
RYANICHEVA, M.I.; SILINA, O.M.; TITOV, V.I.; TIKHONOVA, N.A.
SERGEYeva, N.A., redaktor izdatel'stva; GORDIYENKO, Ye.B.,
tekhnicheskiy redaktor

[Methods in chemical analysis of mineral ores] Metody khimicheskogo
analiza mineral'nogo syr'ia. Moskva, Gos. nauchno-tekhn. izd-vo
lit-ry po geologii i okhrane neдр. No.1. 1955. 77 p. (MLRA 9:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy insitut mineral'-
nogo syr'ya.
(Ores--Analysis)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858910014-4

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CIA-RDP86-00513R001858910014-4"

VASIL'YEV, P.I.

TITOV, V.I.; BOCHAROVA, A.P.; VASIL'YEV, P.I.; LEBOVA, P.G.; PODVAL'NAYA,
R.L.; AVERKIYEVA, T.A., ~~tekhnicheskii~~ redaktor

[Methods of chemical analysis of mineral ores] Metody khimicheskogo
analiza mineral'nogo syr'ya. Moskva, Gos.nauchno-tekhn.izd-vo lit-
ry po geol. i okhrane nedr. No.3. 1957. 90 p. (MLRA 10:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
mineral'nogo syr'ya.
(Mineralogical chemistry)

VASIL'YEV, Pavel Ivanovich

PHASE I BOOK EXPLOITATION

406

Suvorovskaya, Natal'ya Aleksandrovna; Titov Veleriy Ivanovich;
Brodskaya, Velentina Mikhaylovna; Vasil'yev, Pavel Ivanovich;
Lipshits, Bella Moiseyevna; and Elentukh, Mariya Pavlovna

Tekhnicheskii analiz v tsvetnoy metallurgii (Technical Analysis
in Nonferrous Metallurgy) Moscow, Metallurgizdat, 1957.
567 p. 6,000 copies printed.

Reviewers: Troitskaya, M.I., Pomerantsev, I.N., Kozhukova, M.A.,
Candidates of Technical Sciences; Ed.: Vagina, N.S.; Ed.
of Publishing House: Kosolapova, E.F.; Tech Ed.:
Vaynshteyn, Ye. B.

PURPOSE: This is a textbook for use in technicums giving courses
in nonferrous metallurgy; it may also be used by those
performing chemical analysis at plant laboratories.

COVERAGE: The book describes widely used chemical and physico-
chemical methods of determining the constituents of nonferrous-
metal ores, of processed-ore products, of alloys, etc.

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Technical Analysis in Nonferrous Metallurgy 406

In addition, sections are included which are devoted to assaying, fuel analysis, water analysis, quality control in electrode production, and rational analysis. For authors of individual sections and chapters, see Table of Contents. There are 98 references, of which 85 are Soviet, 10 English, and 3 Czech.

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CONTENTS:

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I. INTRODUCTION (Suvorovskaya, N.A.)	16
Technical analysis and its importance in quality control of metallurgical products	16
Methods of technical analysis	16
Selection of a representative sample	17
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PHASE I BOOK EXPLOITATION SOV/2532

Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya
Metody khimicheskogo analiza mineral'nogo syr'ya, vyp. 4 (Methods
of Chemical Analysis of Mineral Raw Materials, Nr 4) Moscow,
Gosgeoltekhizdat, 1958. 66 p. Errata slip inserted. 2,000
copies printed.

Sponsoring Agency: Ministerstva geologii i okhrany nedr SSSR.

Compilers: V.I. Titov, (Chief Compiler), P.I. Vasil'yev, R. G.
Lebova, and R.L. Podval'naya; Ed. of Publishing House: S.M.
Vlasova; Tech. Ed.: S.A. Pen'kova.

PURPOSE: This book is intended for chemists and geologists interest-
ed in chemical analysis.

COVERAGE: The booklet describes methods for determination of rare
and dispersed elements, namely: beryllium, gallium, hafnium,
germanium, indium, lithium, rare earth elements, selenium, tellu-
rium, and zirconium. The booklet is based on well-known methods

Card 1/4

Methods of Chemical Analysis (Cont.)

SOV/2532

of analysis and on modified and new methods developed by scientific research organizations and checked by a group of analysts under the supervision of R.G. Lebova, Chief Method Specialist. The method descriptions were tested by the methodological section of the Scientific Council of the Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (VIMS—All-Union Scientific research Institute for Mineral Raw Materials) consisting of I.V. Shmanenkov (Chairman), V.I. Titov (Vice-Chairman), Ye. I. Zhelez-nova (Vice-Chairman), V.M. Pensionerova (Secretary), and members P.I. Vasil'yev, L.I. Gerkhardt, F.V. Zaykovskiy, V.M. Zvenigo-rodskaya, A.K. Rusanov, I.V. Sorokin, V.G. Sochevanov, and B.I. Frid, and were approved for use in geological laboratories. P.I. Vasil'yev and R.L. Podval'naya drew up directions for the de-termination of beryllium, gallium, germanium, indium, and thalli-um; V.I. Titov for the determination of hafnium by optical spectral analysis; V.I. Titov, for rare earth elements; V.I. Titov and G.V. Rozovskaya, for selenium and tellurium, and A.V. Vinogradov for zirconium. There are 30 references; 23 Soviet, 3 German, 3 English, and 1 French.

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Methods of Chemical Analysis (Cont.)

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VASIL'YEV P. I.

VASIL'YEV, P. I.

Vasil'yev, P. I., Podval'naya, R. I.

"Method of Luminescence for the Determination of Uranium with Preliminary Separation by Means of Titanium Phosphate" p. 27

in book Methods of Determining Radioactive Elements in Mineral Raw Materials, 1958, 68 pp.

3(5)

SOV/7-59-6-10/17

AUTHORS: Tyutina, N. A., Aleskovskiy, V. B., Vasil'yev, P. I.

TITLE: Experiment in Biogeochemical Testing and Methods of Niobium Determination in Plants

PERIODICAL: Geokhimiya, 1959, Nr 6, pp 550 - 554 (USSR)

ABSTRACT: The region of the central Timan in the Komi ASSR was investigated. Niobium was spectrophotometrically determined according to the rhodanide method with a device of the SP-4 type (Refs 8, 9). It was precipitated from the solution with manganese oxyhydrate for the purpose of concentration. This precipitation is complete in the range of up to 50 μg Nb (Fig 1). Two methods were devised: analysis of the plant ash and analysis without previous ashing (oxalate extraction). Spectrum analyses were made with the device ISP-28. Tables 1 and 2 show the results by means of some control samples. Most of the plants were found to have a niobium portion of from 0 to 3 μg contained in 5 g dry leaves, partly, however, up to 50 - 70 μg . It is possible to draw diagrams with distinct maxima (Fig 2). The following plants concentrate niobium: Rubus arcticus L., Vaccinium myrtillus L., Chamaenerium angustifolium L., Betula pubescens Ehrh., and Betula verrucosa

Card 1/2

SOV/7-59-6-10/17

Experiment in Biogeochemical Testing and Methods of Niobium Determination in Plants

Ehrh. - A. Ya. Fedotova, Zap. geofizicheskii trest (Zap. Geophysical Trust) assisted in the experimental work. Papers of A. P. Vinogradov, D. P. Malyuga, and S. M. Tkach are mentioned. There are 2 figures, 3 tables, and 10 references, 8 of which are Soviet.

ASSOCIATION: Leningradskiy tekhnologicheskii institut im. Lensovet (Leningrad Institute of Technology imeni Lensovet)

SUBMITTED: March 16, 1959

Card 2/2

VASIL'YEV, P.I.

Palm-Khinchin limiting functions. Uch. zap. Kish. ur. 70:
52-61 '64 (MIRA 18:2)

VASIL'YEV, P.I.; MOLOTKOVA, M.N.

Disturbances caused by the shifting of the gondola in airborne
electromagnetic prospecting by the induction method. Uch. zap.
LGU no.324:65-69 '64. (MIRA 18:4)

VASIL'YEV, P.I.

Airborne electromagnetic prospecting carried out by the induction
method from the AERI-2 station. Uch. zap. LGU no. 324:79-88 '64.
(MIRA 18:4)

FILIMONOV, N.A., prof.; VASIL'YEV, P.I., kand.tekhn.nauk; KONONOV, Yu.I.,
inzh.

Technological conference on the problem of overcoming crack
formation in solid concrete structures. Gidr. stroi. 31 no.9:
58-61 S '61. (MIRA 14:12)

(Concrete construction--Congresses)

KOLESOV, Yu.R.; VASIL'YEV, P.K.; GAL'PERIN, L.N.

Automatic calorimeter for liquids. Zhur. fiz. khim. 39 no.6:
1266-1270 My '65. (MIRA 18:8)

1. Institut khimicheskoy fiziki AN SSSR.

BENDERSKIY, S.N., kand.tekhn. nauk; BURSIAI, V.R., prof., kand. tekhn. nauk; VASIL'YEV, P.N., inzh.; DORFMAN, E.Ye., inzh.; ZHURAVLEV, V.F., kand. tekhn. nauk; KESTEL'MAN, V.N., inzh.; KRUGLOV, A.N., dots., kand. tekhn. nauk; KUKIBNYI, A.A., dots., kand.tekhn. nauk; LEVACHEV, N.A., dots., kand. tekhn. nauk; LEYKIN, A.Ya., inzh.; NAREMSKIY, N.K., dots., kand. tekhn. nauk; PLATONOV, P.N., prof., doktor tekhn. nauk; SOKOLOV, A.Ya., prof., doktor tekhn. nauk; KUTSENKO, K.I., kand. tekhn. nauk, dots., retsenzent; VEREMEYENKO, Ye.I., inzh., retsenzent; KOVTUN, A.P., inzh., retsenzent; SEMENYUK, A.I., retsenzent; KASHCHEYEV, I.P., inzh., retsenzent; PAL'TSEV, V.S., kand. tekhn. nauk, retsenzent; KHMEL'NITSKAYA, A.Z., red.

[Conveying and reloading machinery for the overall mechanization of the food industries] Transportiruiushchie i peregruzochnye mashiny dlia kompleksnoi mekhanizatsii pishchevykh proizvodstv. Moskva, Pishchevaia promyshlennost', 1964.

759 p.

(MIRA 18:3)

(Continued on next card)

BENDERSKIY, S.N.--- (continued). Card 2.

1. Odeskiiy tekhnologicheskii institut imeni M.V.Lomonosova (for Kutsenko, Naremskiy, Veremeyenko, Kovtun).
2. Starshiy ekspert Upravleniya po avtomatizatsii i oborudovaniyu dlya pishchevoy promyshlennosti Gosudarstvennogo komiteta po mashinostroyeniyu pri Gosplane SSSR (for Semenyuk).
3. Glavnyy mekhanik Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy mukomol'nokrupyanoy i kombikormovoy promyshlennosti i elevatorno-skladskogo khozyaystva (for Kashcheyev).
4. Zaveduyushchiy laboratoriyey Vsesoyuznogo nauchno-issledovatel'skogo instituta zerna i produktov ego pererabotki (for Pal'tsev).

VASIL'YEV, P.N.; ROVINSKIY, V.I. (Moskva)

Disease of the heart in bronchial asthma. Arkh.pat. no.1:47-54
'62. (MIRA 15:1)

1. Iz propedevticheskoy terapevticheskoy kliniki (dir. - zas-
luzhennyy deyatel' nauki prof. A.A. Shelagurov) II Moskovskogo
meditsinskogo instituta imeni N.I. Pirogova i patologoanato-
micheskogo otdeleniya 1-y Gorodskoy klinicheskoy bol'nitsy
(glavnyy vrach - zasluzhennyy vrach RSFSR L. D. Chernyshov).
(ASTHMA) (HEART--DISEASES)

VASIL'YEV, P. N. and MAL'TSEV, T. P.

"The Importance of Medical Determination of Fitness for Military Duty as a
Part of the Armed Forces Medical Service" Voenno-medits. zhur., No.12,
pp. 3-6, 1955

Translation 1083494

EXCERPTA MEDICA Sec.17 Vol.4/4 Public Health, etc. Apr 58
VASIL'YEV, P.N.

1229. PARALYSIS AFTER ANTI-RABIES VACCINATION (Russian text) - Vassiliev P. N. Moscow - ARKH. PATOL. 1956, 18/7 (109-116) Illus. 4
Report of 2 cases observed in 1955. Case I. A woman aged 31 was bitten in the left calf by a small pet dog, which later was found to be healthy. On the same day, anti-rabies inoculations were given (Fermi's method). After the 9th injection, numbness and weakness, initially in the legs, then in the arms, developed. The patient died 4 days afterwards, with paralysis of swallowing and respiration. Autopsy revealed ascending Landry's paralysis. Case II. A woman aged 41, who had been scratched by a healthy cat, tolerated the anti-rabies vaccinations badly: after the 5th injection, she developed a red, markedly itching, exanthema of the abdomen. She received 3 more injections, after which ascending Landry's paralysis developed, as in the first case and confirmed at autopsy. The aetiological significance of the fixed virus is not disputable in either case. However, the physical condition should also be considered (case II had just before sustained a streptococcal infection), so that an allergic process is not entirely excluded.
Brandt - Berlin (L, 8, 17)

DOBROVOL'SKAYA, T.I.; VASIL'YEV, P.N.

Two cases of primary atypical amyloidosis. Terap. arkh. 28 no.7:
75-79 '56. (MIRA 10:1)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. - prof.
A.A. Shelagurov) II Moskovskogo meditsinskogo instituta imeni I.V.
Stalina i prozektury (zav. - P. N. Vasil'yev) 2-y gorodskoy bol'nitsy
g. Moskvay (glavnyy vrach A. I. Khromova).
(AMYLOIDOSIS, case reports
primary atypical)

VASIL'YEV, P.N. (Moskva)

On the problem of Recklinghausen's disease (parathyroid osteitis)
[with summary in English]. Arkh.pat.19 no.7:61-66 '57. (MLRA 10:9)

1. Iz patologoanatomicheskogo otdeleniya (zav. P.N.Vasil'yev)
Moskovskoy gorodskoy klinicheskoy bol'nitsy No.2 (glavnyy vrach
A.I.Khromova)

(OSTEITIS FIBROSA, pathology,
autopsy (Rus))

VASIL'YEV, P.N.; ROVINSKIY, V.I.

Pathogenesis of stenocardial pain in seizures of bronchial
asthma. Sov. med. 28 no.1:123-124 Ja '65. (MIRA 18:5)

1. Propedevticheskaya terapevticheskaya klinika (zav. -
zasluzhennyy deyatel' nauki prof. A.A.Shelagurov) lechebnogo
fakulteta II Moskovskogo meditsinskogo instituta imeni Pirogova
i 1-ya Moskovskaya gorodskaya klinicheskaya bol'nitsa (glavnyy
vrach - zasluzhennyy vrach RSFSR L.D.Chernyshev).

ROVINSKIY, V.I.; VASIL'YEV, P.N. (Moskva)

Pathomorphology of myocardial lesions in bronchial asthma. Klin.
med. 39 no.5:86-87 My '61. (MIRA 14:5)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. - prof.
A.A. Shelagurov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova i patologoanatomicheskogo otdeleniya 2-go sektora
1-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrach - zaslužhen-
ny vrach RSFSR L.D. Chernyshev).
(ASTHMA) (HEART—MUSCLE)

LOBANOVA, A.N.; VASIL'YEV, P.N.

Report on conferences on clinical anatomy held at Moscow City
Clinical Hospital No. 2. Arkh. pat. 22 no. 10:90-94 '60.
(MIRA 13:12)

1. Glavnyy vrach Moskovskoy gorodskoy klinicheskoy bol'nitsy No. 2
(for Lobanova). 2. Zaveduyshchiy patologoanatomicheskim
otdeleniyem Moskovskog gorodskoy klinicheskoy bol'nitsy No. 2
(for Vasil'yev).

(ANATOMY, PATHOLOGICAL—CONGRESSES)

VASIL'YEV, P.N., starshiy elektromekhanik

Restoring the action of lightrelays after switching-over of power.
Avtom. telex. i svyaz' 4 no.9:42 S '60. (MIRA 13: 9)

1. Leningrad-Sortirovochnaya Moskovskaya distantziya signalizatsii
i svyazi Oktyabr'skoy dorogi.
(Railroads--Signaling) (Electric relays)

VASIL'YEV, P.N.

Reports on conferences on clinical anatomy held at Moscow City
Clinical Hospital No.2. Arkh.pat. 21 no.1:84-94 '59. (MIRA 12:1)

(ANATOMY, PATHOLOGICAL)

MAL'TSEV, T.P., polkovnik med.sluzhby, VASIL'YEV, P.N., polkovnik med.
sluzhby.

Role of physical examinations in military medicine. Voen.-med.zhur.
no.12: 3-6 D '55 (MIRA 12:1)
(RUSSIA--ARMED FORCES--MEDICAL EXAMINATIONS)

1.1.1.; 1.1.2.; 1.1.3.; 1.1.4.; 1.1.5.

Investigating changes in the density of growing crystals during
the decomposition of a copper-base alloy solution. (see, for
ucheb. zav.; Izvet. met. 7 no.6:90-93) (see, for
(see, for 1.1.1.)

1. Petrozavodskiy gosudarstvennyy univ. railet, nauchno-issledovatel'skaya fiziki.

ZHURZH, I.I.; VASIL'YEV, P.P.

Making and erecting spatial blocks. Suggested by I.I.Zhurzh,
P.P.Vasil'ev. Rats.1 izobr.v stroi. no.9:5-8 '59.
(MIRA 13:1)

1. Brigadir kompleksnoy brigady stroitel'nogo tresta No.87
Glavleningradstroya (for Zhurzh). 2. Nachal'nik uchastka UNR-13
tresta No.87 Glavleningradstroya (for Vasil'yev).
(Precast concrete construction)

VASIL'YEV, P.P.

Legal aid for neurotic and insane patients in psychoneurological institutions. Vop. psikh. i nevr. no.5:258-260 '59.

(MIRA 14:5)

1. Iz orgmetodotdela (zav. - doktor med.nauk G.V.Zenevich) Psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (direktor - chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof. V.N.Myasishchev).

(INSANE—LAWS AND LEGISLATION)

VASIL'YEV, P.P.

[Guardianship over the mentally ill; a practical pamphlet] Voprosy
opeki nad psikhicheski bol'nymi; metodicheskoe pis'mo. Leningrad,
1957. 38 p. (MIRA 11:4)
(PSYCHIATRIC HOSPITALS)

VASIL'YEV, P. P.

Steam Boilers

Controlling the condition of heat pipes in steam boilers, Rech. transp., 12, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 195~~7~~. Unclassified.
2

VASIL'YEV, P. P.

Ch, Penzenskaya Obl Admin of Agr and Agr Procurement, Min of Agr and Agr Procurement RSFSR
(Sel'skoye Khozyaystvo, 18 Sep 53)

S0: Summary #665, 31 Oct 55

VASILYEV, I. S.

1. VASILYEV, I. S., INFLAMMABLE

2. USSR (600)

4. Cupola Furnaces

7. Use of inflammable gases in the cupola furnaces, Lit. proizv. No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

VASIL'YEV, P. S.

CR

PROCESSES AND PROPERTIES INDEX

The reversible nickel electrode and its application to the study of colloidal solutions. N. M. Deshailt, P. S. Vasil'ev and A. I. Rabinovich. *J. Phys. Chem.* (U. S. A. R.) 5, 634-47 (1934).—A study of the cell $\text{Ni}|\text{NiSO}_4(M)||\text{KCl (sat.)}||\text{Hg}_2\text{Cl}_2|\text{Hg}$ in the presence of air showed that the e. m. f. with respect to the H electrode varied from +110 to +240 mv. In the absence of O the e. m. f. was const. except in dil. solns. and had the value -185 mv. for a M soln. at 20° . P. H. Rathmann

2

ASAC 55.4 DETAIL SUPPLEMENTAL LITERATURE CLASSIFICATION

BC

Donnan effect in ultrafiltration of colloidal solutions. A. RABINOVITSH, P. VASILEV, and T. GATOVSKAJA (Compt. rend. Acad. Sci. U.R.S.S., 1985, 3, 109-112).—In ultrafiltration the vol. of the initial sol is diminished by the same amount as the vol. of the ultrafiltrate is increased. By assuming complete dissociation of sols and ultrafiltrates new equations, based on those of Donnan, are derived; they yield theoretical vals. for Fe_2O_3 , WO_3 , TiO_2 , and V_2O_5 sols in good agreement with experimental data. W. R. A.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

A microfiche card with a header section containing text and a large rectangular area below it. The header includes "VASIL'YEV, P.S.", "PROCESSES AND PROPERTIES - 002", and a paragraph of Russian text. The large area below is mostly blank, with some faint markings and a small table at the bottom right.

Activity of Ions in Colloidal Solutions. I.
Suspension effect in the ultrafiltration of positive
colloids. P. VASILEV, T. GAYDOVAJA, and A.
HABINOVOVIC. II. Suspension effect in the
ultrafiltration and concentrating of negative
colloids. T. GAYDOVAJA and P. VASILEV (Acta
Physicochim. U.R.S.S., 1956, 6, 1-30, 37-50).—
 Fe_2O_3 sols of different osmotic have been subjected to
ultrafiltration and the activities of Cl^- and
 H^+ in the ultrafiltrate and the residues determined
potentiometrically. The value of a_{Cl^-} and a_{H^+} in the
ultrafiltrate remain approx. const. with decreasing sol
concn., whilst a_{Cl^-} increases and a_{H^+} decreases in the
direction ultrafiltrate \rightarrow sol \rightarrow residue, according to
linear functions of the Fe_2O_3 concn. The ratio
 $a_{\text{Cl}^-} : a_{\text{H}^+}$ is const. on both sides of the ultrafilter in
agreement with the Donnan equilibrium condition.
A theory based on the Donnan equilibrium is put
forward.

11. WO_3 , TiO_2 , and V_2O_5 can have been investigated. The $a_{\text{H}_2\text{O}}$ in the ultrafiltrate is const. with increasing acid concn., but in the series ultrafiltrate \rightarrow sol \rightarrow residue, $a_{\text{H}_2\text{O}}$ increases approx. linearly with acid concn. Similar results are obtained when the system is centrifuged.

R. B.

A 30-31 A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES UNDER																			
<div style="position: relative;"> BC <div style="position: absolute; top: 10px; right: 10px; font-size: 2em;">A-1</div> <div style="position: absolute; top: 200px; left: 200px;"> <p>Peptization of colloids by electrolytes. I. Reversion of coagulation with formation of insoluble salts. P. VASILEV and N. DESCHALIT (Acta Physicochim. U.R.S.S., 1966, 4, 51-74).—When $\text{Fe}(\text{OH})_3$ sol is coagulated by Na_2SO_4, Cl^- is displaced from the surface of the particle to the intermolecular liquid by SO_4^{2-}. The gel can be peptized by addition of an equiv. amount of BaCl_2 with formation of BaSO_4, and it has been shown that Cl^- is readsorbed during the peptization. Repeated coagulations and peptizations are possible. Part of the BaSO_4 is pptd., whilst part remains in the col, and this has been shown by X-rays to have the ordinary crystal structure. Reversion of $\text{Al}(\text{OH})_3$ and $\text{Ti}(\text{OH})_3$ gels is possible, but gels of negative colloids could not be peptized. The formation of CaSO_4 or SrSO_4 does not produce reversion, but PbCrO_4 is efficacious because of its low solubility product.</p> <p style="text-align: right;">R. S.</p> </div> </div>																			
ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION																			
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CA VASIL'EV, P. S.

2

Activity of ions in colloidal solutions. I. Suspension effect in the ultrafiltration of positive colloids. P. S. Vasil'ev, T. V. Gatovskaya and A. I. Rabinovich. *J. Phys. Chem.* (U. S. S. R.) 7, 874-88 (1936); *Acta Physicochim. U. R. S. S.* 4, 1-36 (1936) (in German).—In ultrafiltration and centrifugation of $\text{Fe}(\text{OH})_3$ sols, the ion activity a is given by Donnan's membrane-equil. theory. From concns. 10^{-3} to 10^{-2} M, a for $\text{Fe}(\text{OH})_3$ is practically const., that of Cl^- decreases on diln. with respect to $\text{Fe}(\text{OH})_3$ present, while that of H^+ increases in the same order so that $a_{\text{Cl}^-} a_{\text{H}^+} = K$. The Wiegner suspension effect is explained on the basis of Donnan equilibria. II. Suspension effects during ultrafiltration and centrifugation of negative colloids. T. V. Gatovskaya and P. S. Vasil'ev. *J. Phys. Chem.* (U. S. S. R.) 7, 697-701 (1936); *Acta Physicochim. U. R. S. S.* 4, 37-50 (1936) (in German).—Measurements made on colloidal WO_3 , TiO_2 and V_2O_5 sols. show that the a values for H^+ ions increase almost linearly with increasing sol concn. For V_2O_5 the change of a is very small. F. H. Rathmann

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

CAVASIL'YEV, P.S.

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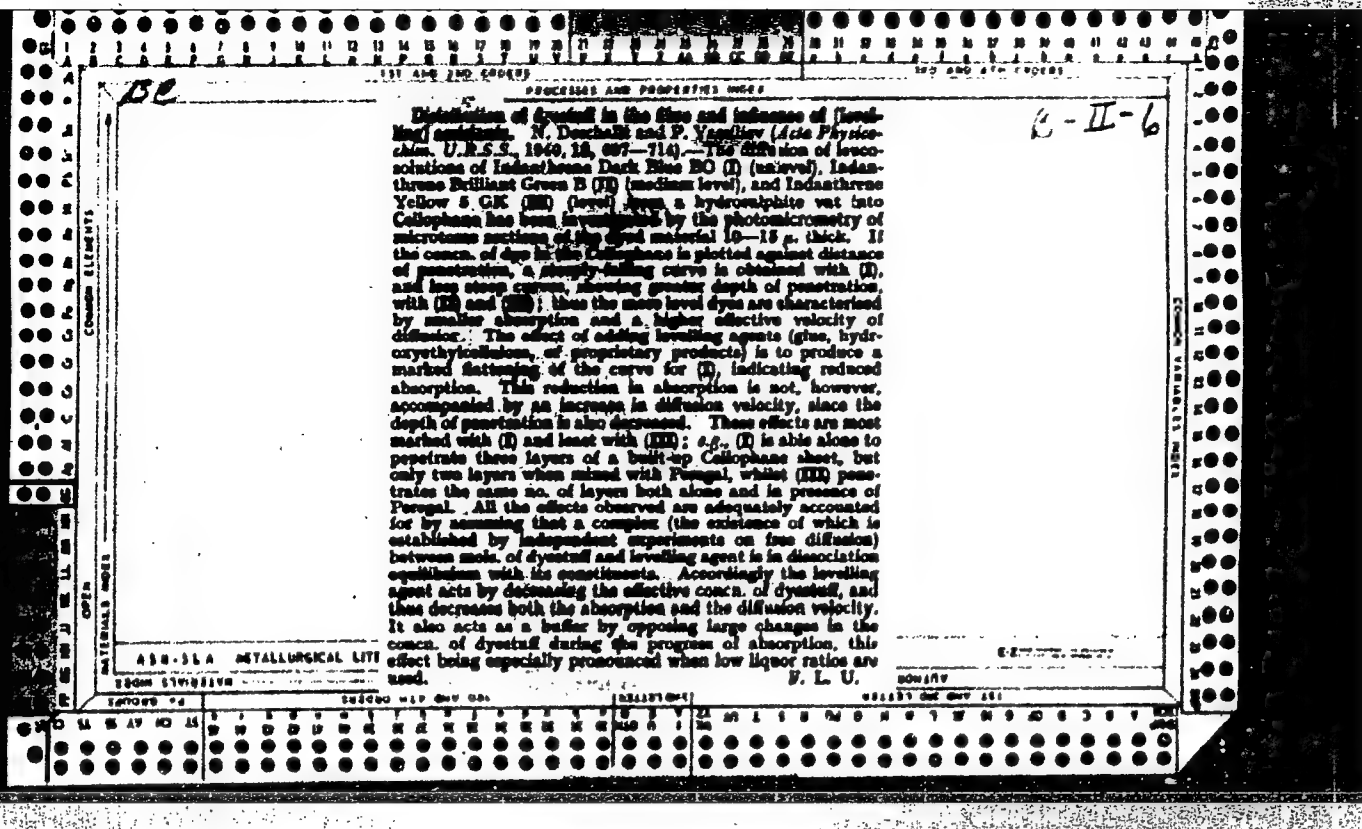
Peptization of colloids by electrolytes. I. Reversal of coagulation with the formation of difficultly soluble salts. P. S. Vasil'ev and N. M. Deshalit. *J. Phys. Chem.* (U. S. S. R.) 7, 707-22(1953); *Acta Physicochim. U. R. S. S.* 4, 51-74(1953)(in German).—The coagulation of Fe_2O_3 sols was studied by coagulating them with Na_2SO_4 and then running a potentiometric titration with $H_2C_2O_4$, $Ba(NO_3)_2$, $CaCl_2$, $SnCl_4$, etc., when the colloid ppt. is peptized. Ba^{++} is much more effective as a peptizing agent than is Ca^{++} or Sn^{++} , owing to the lower soly. of $BaSO_4$. As a result of pptn. of SO_4 ions they are reversibly detached from the coagulate and it becomes peptized. At

the same time the Cl ions are again adsorbed. The $BaSO_4$ ppts. out during peptization and has the ordinary x-ray structure. Peptization and coagulation by this means can be repeated on one sample many times. The oxide sols of Al and Ti show similar coagulation and peptization. P. H. Rathmann

ASA SLA DETAILING LITERATURE CLASSIFICATION

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044

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<p><i>VASIL'YE, P.S.</i></p> <p><i>Also in U-1615,</i> <i>3 JAN 1952</i></p>		<p>PROCEDURES AND PROPERTIES INDEX</p> <p>Adsorption of silver cations on mixed silica gel-trivalent metal oxide gels. V. A. Kargin, P. S. Vasil'ev and O. I. Dmitrienko. <i>J. Phys. Chem. (U. S. S. R.)</i> 18, 1837-51 (1959).—From expl. data it is found that the adsorption of Ag_2SO_4 on the systems $mM_2O_3 \cdot nSiO_2$ where $M = Al$ or Fe, m and n vary from 1 to 4, (m/n) from $1/4$ to 2, proceeds in equiv. amts. with respect to both ions and is mol. in nature. The mixed gels were highly purified and gave pH values from 5.28 to 6.09. Conclusion: Such mixed gels cannot cause H-ion exchange in soils. F. H. Rathmann</p> <p><i>2</i></p> <p>Moscow Physico-Chemical Inst. imeni L. Ya Karpov Div. of Colloidal Chemistry.</p>	
ASB-35A METALLURGICAL LITERATURE CLASSIFICATION			
REGION SYMBOLS		REGION SYMBOLS	
<p>SYMBOLS</p> <p>AL AV NO AS</p>		<p>SYMBOLS</p> <p>AL AV NO AS</p>	



2

VASIL'YEV, P.S.

1ST AND 2ND SERIES PROCESSES AND PROPERTIES INDEX

Effect of the solubility of silver salts on their adsorption by composite gels of silica and sesquioxides. V. A. Kargin, P. S. Vasil'yev and O. I. Dmitrenko. *J. Phys. Chem.* (U. S. R.), 16, 1028-30(1940); cf. C. A. 35, 3627.— The magnitude of adsorption of Ag ions from salt mixts. by gels of Fe₂O₃, Fe₂O₃ + SiO₂ and Al₂O₃ + SiO₂, usually is large when a slightly sol. Ag salt can be formed. Thus, Na₂SO₄ raises the adsorption of Ag ions from AgNO₃ more than NaOAc or NaNO₂ does, since Ag₂SO₄ is less sol. than AgOAc or AgNO₂. This effect can be masked by competition between Na and Ag ions for the adsorption space. From a soln. of Ag₂SO₄ alone the Ag ion is adsorbed more than from AgNO₃ alone, and the adsorption isotherm often rises at high concns. like those of nearly satd. vapors. B. C. P. A.

Lab. of Colloidal Chemistry, Physico-Chemical
Institute imeni L. Ya. Karelov

A microfiche card with a grid of frames. The top frame contains the text "BC" and "B-2-6". The middle frame contains a paragraph of text about the distribution of dyes in the blood and tissues. The bottom frame contains a table with columns for "DISTRIBUTION" and "DISTRIBUTION".

VASIL'YEVA, P.S.		PROCESSING AND PROPERTIES INDEX	
ca		20	
<p>Rendering soils impenetrable by treatment with iron hydroxide sols. V. N. Sveshnikova and P. S. Vasil'ev. <i>Zashchitnye Plesni na Solnykh. Akad. Nauk S.S.S.R.</i> 1944, 53-60.—Sol is satisfactorily waterproofed by treatment with a sol prepd. by mixing a soln. of 14.9 g. FeCl₃ in 550 ml. water with 250 ml. of 68% molasses, and adding 200 ml. of Na₂CO₃. Coagulation occurs within 3-4 hrs. G. M. Kosolapov</p>			
ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION			
FROM SYNONYM		TO SYNONYM	
140000 04		041101 ONE ONE ONE	
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

VASIL'YEV, P. S. Dr. Chem. Sci.

Dissertation: "Investigation of the Physicochemical Nature of Colloid Systems." Moscow Order of Lenin Chemicotechnological inst imeni D. I. Mendeleev, 30 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

The subject and the principles of a course in colloid
chemistry

... "colloidal solutions" (which are thermo-
dynamically reversible) and "colloidal sols" (irreversible)
but avoid discussion of low-mol. solns and macroscopic
surfaces J. J. Bikerman

PA 233T6

VASIL'YEV, P. S. Prof

USSR/Medicine - Blood Preservation Sep 52

"Preservation of Blood," A. A. Bagdasarov, Corr
Mem, Acad Med Sci USSR, Prof P. S. Vasil'yev

"Nauka i Zhizn'" Vol 19, No 9, p 8

Reviews briefly the general aspects of blood
transfusion and USSR work on blood preservation
and fractionation. States that the Gen Inst of
Blood Transfusion and Hematol has perfected meth-
ods which insure sterility of preserved blood
and that blood can now be preserved for 40-45
days, erythrocytic mass for 1 mo, defibrinated

233T6

plasma for over 1 yr. Mentions production of
fibrin films (used in neurosurgical operations,
for the treatment of burns and fresh wounds,
etc.) and of hemostatic sponges contg thrombin.

233T6

Changes in the lability of the protein systems of the blood
in animals as a result of the injection of heterogenous erythrocytes
orthocytes of their own

2

agent and after the injection of the shock-producing
the serum heated at 56° for 10 min., and the fibrin sepd. by
centrifugation. Serum was then dild. with 1% NaCl so
as to contain 5% protein. This was tested for viscosity,
gelatinization time, and resistance to denaturation by alkali.
Two sets of expts. were performed in dogs and in rabbits.

denaturation by alk.; more profound was the lowering in vis-
cosity. Injection of equiv. aunts of heterogenous serum
likewise brought about a state of shock in the animals of
the dogs. Such shocks were of a more severe type than those
shocks caused by the injection of heterogenous erythrocytes. The re-
actions to the injection of heterogenous erythrocytes were in
every respect analogous to those of whole-blood injections.

R. S. Levine

Int. J. Genet. Hematology & Blood Transfusion

VASIL'YEV, P.S., prof.

Plasma substitutes in the Soviet Union during the last 40 years.
Probl.gemat. i perel.krovi 2 no.5:36-42 S-O '57. (MIRA 11:1)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(PLASMA SUBSTITUTES
use in Russia, progr.)

VASIL'YEV, P. S.

"The protein structures which are necessary for blood-transfusion"

report presented at the 10th All-Union Conf. on Highly Molecular Compounds,
Biologically Active Polymer Compounds, Moscow, 11-13 June 1958. (Vest. Ak
Nauk SSSR, 1958, No. 9, pp. 111-113)

VASIL'YEV, P.S.

BAGDASAROV, A.A., prof.; VASIL'YEV, P.S., prof.; FROM, A.A.

Problems in classification of blood substitutes. Vest. AMN SSSR 13
no. 4: 58-61 '58. (MIRA 11:4)

1. Deystvitel'nyy chlen AMN SSSR.
(PLASMA SUBSTITUTES
classif. (Rus))

VASIL'YEV, P.S., prof.; KOZLOVA, V.Ya.; FRINOVSKAYA, I.V.

Change in blood proteins in leukemia. Probl.gemat. i perel. krovi
4 no.11:49-53 N '59. (MIRA 13:3)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i pereli-
vaniya krovi (direktor - deystvitel'nyy chlen Akademii meditsinskikh
nauk SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(LEUKEMIA blood)
(BLOOD PROTEINS chemistry)